

WHAT IS CLAIMED IS

- 5 1. An induction motor, comprising:  
two rotors coaxially arranged on a shaft, a first one  
of the rotors having a first winding and a second one of the  
rotors having a second winding, said first winding being coupled  
to the second winding with reverse electrical polarity;  
10 two stators, each of the stators being coaxially  
arranged around a different one of the two rotors; and  
wherein one of the stators is mounted for rotation  
relative to the other stator.
- 15 2. The induction motor of claim 1 wherein each of the  
stators comprises a polyphase structure.
3. The induction motor of claim 1 further comprising a  
capacitor coupled to the first winding.
- 20 4. An induction motor, comprising:  
first and second rotors coaxially arranged on a shaft,  
each of the rotors having a winding;  
a resistor coupled between the windings of the first  
25 and second rotors;  
a capacitor connected in parallel to the resistor; and  
first and second stators, the first stator being  
coaxially arranged around the first rotor and the second stator  
being coaxially arranged around the second rotor.
- 30 5. The induction motor of claim 4 wherein the resistor  
comprises a potentiometer.

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6. The induction motor of claim 4 further comprising a  
choke connected in parallel with the capacitor.

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7. The induction motor of claim 4 further comprising a  
worm screw coupled to the first stator to rotate the first stator  
with respect to the second stator.

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